



1LG5

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## REMOTE-CUTOFF PENTODE

### GENERAL DATA

#### Electrical:

Filament, Coated:

Voltage . . . . . 1.4 . . . . . dc volts  
Current . . . . . 0.05 . . . . . amp

Direct Interelectrode Capacitances:<sup>o</sup>

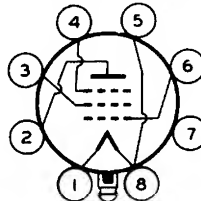
Grid No.1 to Plate. . . 0.007 max. . . . .  $\mu\mu\text{f}$   
Input . . . . . 3.2 . . . . .  $\mu\mu\text{f}$   
Output. . . . . 7.0 . . . . .  $\mu\mu\text{f}$

<sup>o</sup> With external shield connected to negative filament terminal.

#### Mechanical:

Mounting Position . . . . . Any  
Maximum Overall Length. . . . . 2-25/32"  
Maximum Seated Length . . . . . 2-1/4"  
Maximum Diameter. . . . . 1-3/16"  
Bulb. . . . . T-9  
Base. . . . . Lock-in 8-Pin  
Basing Designation for BOTTOM VIEW. . . . . 7A0

Pin 1-Filament(+)  
Pin 2-Plate  
Pin 3-Grid No.2  
Pin 4-Grid No.3  
Pin 5-Filament(-)  
Internal  
Shield



Pin 6-Grid No.1  
Pin 7-No Con-  
nection  
Pin 8-Filament(-)  
Internal  
Shield  
Plug - Base Shell

### AMPLIFIER - Class A<sub>1</sub>

#### Maximum Ratings, Design-Center Values:

PLATE VOLTAGE . . . . . 110 max. volts  
GRID-No.2 (SCREEN) VOLTAGE. . . . . 110 max. volts

#### Typical Operation and Characteristics:

Plate Voltage . . . . .	90	90	volts
Grid No.3 (Suppressor). . . . .	{ Connected to negative fila- ment terminal at socket		
Grid-No.2 Voltage . . . . .	45	90	volts
Grid-No.1 (Control-Grid) Voltage. . . . .	0	-1.5	volts
Plate Resistance (Approx.). . . . .	1.0	0.5	megohm
Transconductance. . . . .	800	1150	$\mu\text{mhos}$
Grid-No.1 Bias (Approx.) for transconductance of 10 $\mu\text{mhos}$ . . . . .	-10	-19	volts
Plate Current . . . . .	1.7	3.7	ma
Grid-No.2 Current . . . . .	0.4	0.9	ma

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TUBE DEPARTMENT  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA